National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHARAT PETROLEUM CORPORATION LTD., QUALITY ASSURANCE LABORATORY, ATHUR & KADAPARAI VILLAGE, ATHUR POST, ERODE ROAD, KARUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6587 **Page No** 1 of 5

Validity 25/09/2022 to 24/09/2024 **Last Amended on** 14/10/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- LUBRICANTS	Lubricants	Appearance	SOP 09, Issue No. 3, Issue date:01.08.2019
2	CHEMICAL- LUBRICANTS	Lubricants	ASTM Colour	ASTM D1500
3	CHEMICAL- LUBRICANTS	Lubricants	Colour (ASTM Scale)	IS 1448 (Part 12)
4	CHEMICAL- LUBRICANTS	Lubricants	Colour (Visual)	SOP 11, Issue No. 3, Issue Date:01.08.2019
5	CHEMICAL- LUBRICANTS	Lubricants	Crackle Test	SOP 10, Issue No. 3, Issue Date:01.08:2019
6	CHEMICAL- LUBRICANTS	Lubricants	Density	ASTM D1298
7	CHEMICAL- LUBRICANTS	Lubricants	Density	IS 1448 (Part 16)
8	CHEMICAL- LUBRICANTS	Lubricants	Flash Point (Pensky Martens Closed cup)	IS 1448 (Part 21)
9	CHEMICAL- LUBRICANTS	Lubricants	Flash Point (Cleveland Open Cup)	IS 1448 (Part 69)
10	CHEMICAL- LUBRICANTS	Lubricants	Flash Point (Cleveland Open Cup)	ASTM D92
11	CHEMICAL- LUBRICANTS	Lubricants	Flash Point (Pensky-Martens Closed Cup)	ASTM D93
12	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity at 100 °C	ASTM D445
13	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity at 100°C	ASTM D7042
14	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity at 100°C	IS 1448 (Part 25 / Sec 1)
15	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity at 40°C	ASTM D445
16	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity at 40°C	ASTM D7042
17	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity at 40°C	IS 1448 (Part 25 / Sec 1)
18	CHEMICAL- LUBRICANTS	Lubricants	Pour Point	ASTM D97
19	CHEMICAL- LUBRICANTS	Lubricants	Pour Point	IS 1448 (Part 10 / Sec 2)
20	CHEMICAL- LUBRICANTS	Lubricants	Viscosity Index	ASTM D2270
21	CHEMICAL- LUBRICANTS	Lubricants	Viscosity Index	IS 1448 (Part 56)
22	CHEMICAL- LUBRICANTS	Lubricants	Water Content	IS 1448 (Part 40)
23	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Appearance (Visual)	SOP 09, Issue No.3, Issue date:01.08.2019
24	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Cetane Index (Calculated)	ASTM D4737

SCOPE OF ACCREDITATION

Laboratory Name : BHARAT PETROLEUM CORPORATION LTD., QUALITY ASSURANCE LABORATORY, ATHUR & KADAPARAI VILLAGE, ATHUR POST, ERODE ROAD, KARUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6587 **Page No** 2 of 5

Validity 25/09/2022 to 24/09/2024 **Last Amended on** 14/10/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
25	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Colour (Visual)	SOP 11, Issue No.3, Issue date:01.08.2019
26	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Copper Strip Corrosion	ASTM D130
27	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Copper Strip Corrosion	IS 1448 (Part 15)
28	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density	ASTM D1298
29	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density	IS 1448 (Part 16)
30	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation, 95 percent v/v, recovery	IS 1448 (Part 18)
31	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation, 95 percent v/v, recovery	ASTM D86
32	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Pensky-Martens Closed Cup)	ASTM D93
33	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Pensky-Martens Closed Cup)	IS 1448 (Part 21)
34	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point , Abel	IS 1448 (Part 20)
35	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point , Abel	ISO 13736
36	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point ,Abel	IP 170
37	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic Viscosity at 40°C	ASTM D445
38	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic Viscosity at 40°C	ASTM D7042
39	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic Viscosity at 40°C	IS 1448 (Part 25 / Sec 1)
40	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Pour Point	ASTM D97
41	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Pour Point	IS 1448 (Part 10 / Sec 2)
42	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Total Sulphur	ASTM D5453
43	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Appearance (Visual)	SOP 09, Issue No.3, Issue date:01.08.2019

SCOPE OF ACCREDITATION

Laboratory Name : BHARAT PETROLEUM CORPORATION LTD., QUALITY ASSURANCE LABORATORY, ATHUR & KADAPARAI VILLAGE, ATHUR POST, ERODE ROAD, KARUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6587 **Page No** 3 of 5

Validity 25/09/2022 to 24/09/2024 **Last Amended on** 14/10/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
44	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour (Visual)	SOP 11, Issue No.3, Issue date:01.08.2019
45	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Copper Strip Corrosion	ASTM D130
46	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Copper Strip Corrosion	IS 1448 (Part 15)
47	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density	ASTM D1298
48	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density	IS 1448 (Part 16)
49	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation- Final boiling point (FBP)	ASTM D 86
50	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation- Final boiling point (FBP)	IS 1448 (Part 18)
51	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation- Percent recovered below 200 °C	IS 1448 (Part 18)
52	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation- Percent recovered below 200 °C	ASTM D86
53	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IS 1448 (Part 20)
54	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash point (Abel)	ISO 13736
55	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IP 170
56	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Saybolt Colour	ASTM D156
57	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Saybolt Colour	IS 1448 (Part 14)
58	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke point	ASTM D1322
59	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke point	IS 1448 (Part 31)
60	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke point	ISO 3014
61	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Total Sulphur	ASTM D 5453
62	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Gum Content (Solvent washed)	IS 1448 (Part 29)

SCOPE OF ACCREDITATION

Laboratory Name : BHARAT PETROLEUM CORPORATION LTD., QUALITY ASSURANCE LABORATORY, ATHUR & KADAPARAI VILLAGE, ATHUR POST, ERODE ROAD, KARUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6587 **Page No** 4 of 5

Validity 25/09/2022 to 24/09/2024 **Last Amended on** 14/10/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
63	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Appearance (Visual)	SOP 09, Issue No.3, Issue date:01.08.2019
64	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Colour (Visual)	SOP 11, Issue No.3, Issue date:01.08.2019
65	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Copper Strip Corrosion	ASTM D130
66	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Copper Strip Corrosion	IS 1448 (Part 15)
67	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density	ASTM D1298
68	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density	IS 1448 (Part 16)
69	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation - percent evaporated at 100°C (E 100°C)	IS 1448 (Part 18)
70	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation - percent evaporated at 150°C (E 150°C)	ASTM D 86
71	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation : Final boiling point (FBP)	IS 1448 (Part 18)
72	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation : Initial Boiling Point(IBP)	ASTM D86
73	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation : Initial Boiling Point(IBP)	IS 1448 (Part 18)
74	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation : Percent evaporated at 100°C (E 100°C)	ASTM D 86
75	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation : Percent evaporated at 150°C (E 150°C)	IS 1448 (Part 18)
76	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation : percent evaporated at 70°C (E 70°C)	ASTM D 86
77	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation : percent evaporated at 70°C (E 70°C)	IS 1448 (Part 18)
78	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation : Residue	ASTM D 86
79	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation :Final boiling point (FBP)	ASTM D 86
80	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation :Residue	IS 1448 (Part 18)
81	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Gum Content (Solvent washed)	ASTM D381

SCOPE OF ACCREDITATION

Laboratory Name :	BHARAT PETROLEUM CORPORATION LTD., QUALITY ASSURANCE LABORATORY, ATHUR & KADAPARAI VILLAGE, ATHUR POST, ERODE ROAD, KARUR, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6587	**Page No**	5 of 5
Validity	25/09/2022 to 24/09/2024	**Last Amended on**	14/10/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
82	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Research Octane Number (RON)	ASTM D2699
83	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Research Octane Number (RON)	IS 1448 (Part 27)
84	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Total Sulphur	ASTM D5453